

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

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GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

07/07/2011

Marianne MacDougall  
Assistant District Attorney, Norfolk County

Dear ADA MacDougall,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]  
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Kate Corbett.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Kate Corbett was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to be "Annie Dookhan".

Annie Dookhan  
Chemist II  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6631

## Curriculum Vitae

**Annie Khan (Dookhan)**

### **Education:**

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

### **Experience:**

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

\*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

\*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

\*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

\*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

\*Maintenance and repairs of all analytical instruments.

\*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

\*Responsible for the Quality Control/Quality Assurance program for the drug lab.

\*Notary Public.

\*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

\*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

\*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs).

\*Trained and supervised new chemists and interns for the department.

\*Routine QC testing of products for the FDA.

\*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

\*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

\*Complete testing of chemicals for Vendor Validation Project for the FDA.

\*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

### **Additional Training:**

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

### **Association:**

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

*The Commonwealth of Massachusetts*

*Executive Office of Health and Human Services*

*Department of Public Health*

*State Laboratory Institute*

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Boston Hours

8:00 – 11:00

2:00 – 4:00

Amherst Hours

9:00 – 12:00

1:00 – 3:00

**DRUG RECEIPT**

City or Department: RANDOLPH Police Dept Police Reference No.: [REDACTED]

Name and Rank of Submitting Officer: Detective Paul Smyth

Defendant(s) Name (last, first, initial):



*To be completed by Submitter*

Description of Items Submitted

*To be completed by Lab Personnel*

Gross Weight

Lab Number

Brownish powdery substance wrapped in a clear  
plastic wrap

4.09 gm



Received by: [Signature]

Date: 12-20-10

No. [REDACTED]  
City: Randolph Police Dept.  
Officer: Detective PAUL SMYTH  
Def: [REDACTED]

Date Analyzed: 3/9/11

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 12/20/2010

No. Analyzed:

Gross Wt.: 4.09

Net Weight: 0.15

# Tests: 4 ASD  
• 2 CAC

Prelim: Heroin

Findings: Heroin

# DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Randolph ANALYST ASJ

No. of samples tested:            Evidence Wt.           

## PHYSICAL DESCRIPTION:

Beige powdered substance  
in pb

Gross Wt ( ): 0.4810

Gross Wt ( ):           

Pkg. Wt:           

Net Wt: 0.1548

## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate ( + )           

Marquis +           

Froehde's +           

Mecke's +           

### Microcrystalline Tests

Gold  
Chloride           

TLTA ( )           

### OTHER TESTS

## PRELIMINARY TEST RESULTS

RESULTS Heroin

DATE 3-7-11

## GC/MS CONFIRMATORY TEST

RESULTS Heroin

MS  
OPERATOR KAC

DATE 3-9-11

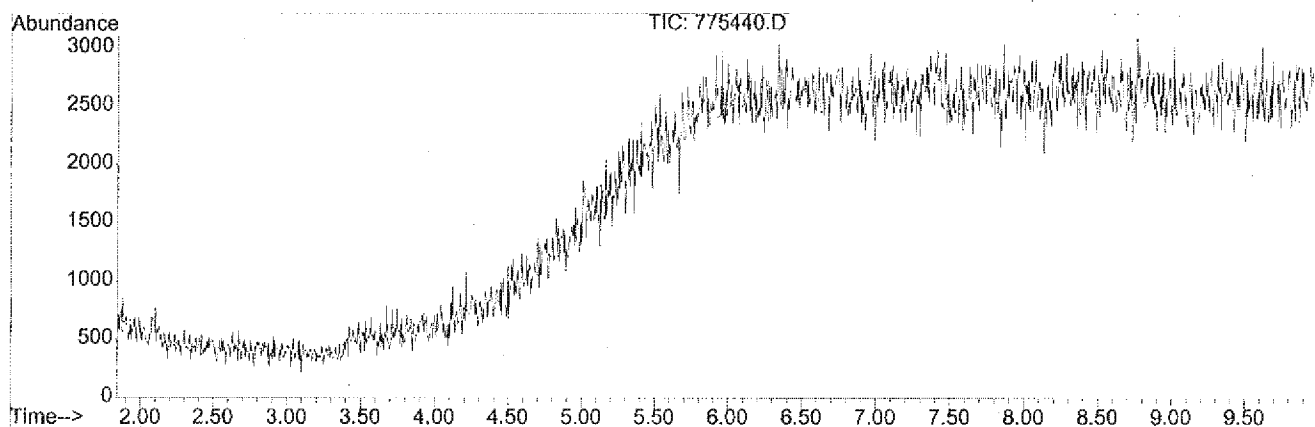
# Area Percent / Library Search Report

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## Information from Data File:

File Name : J:\03\_08\_11\775440.D  
Operator : LAG  
Date Acquired : 8 Mar 2011 17:29  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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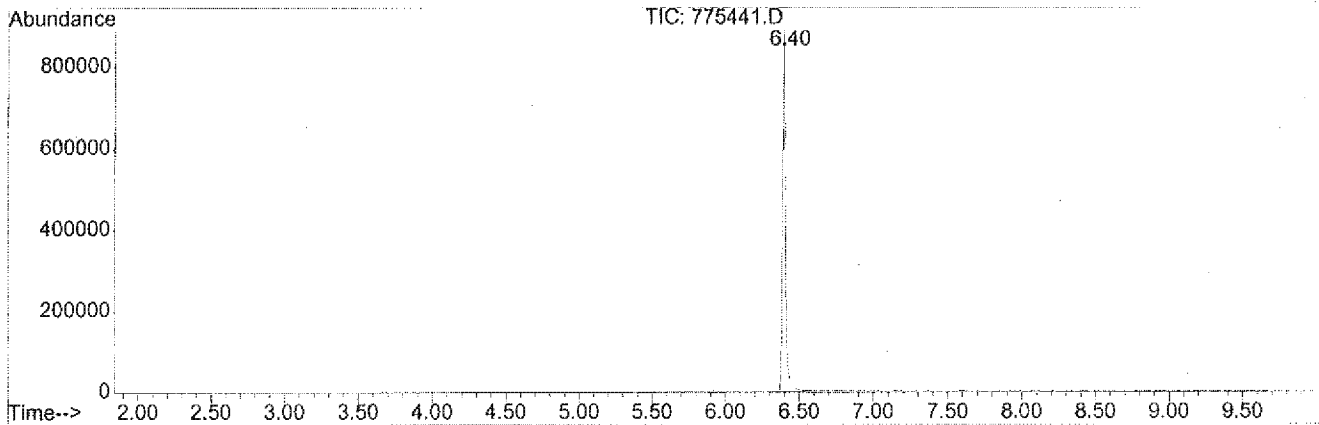
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : J:\03\_08\_11\775441.D  
 Operator : LAG  
 Date Acquired : 8 Mar 2011 17:41  
 Sample Name : HEROIN STD  
 Submitted by : ASD  
 Vial Number : 41  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.396	1211193	100.00	100.00

# Area Percent / Library Search Report

**Information from Data File:**

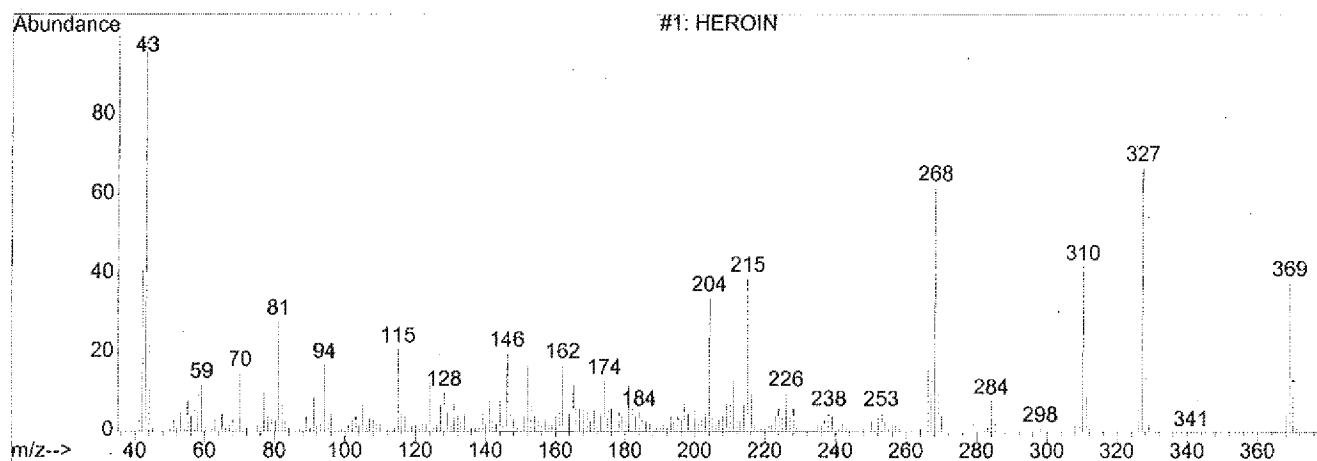
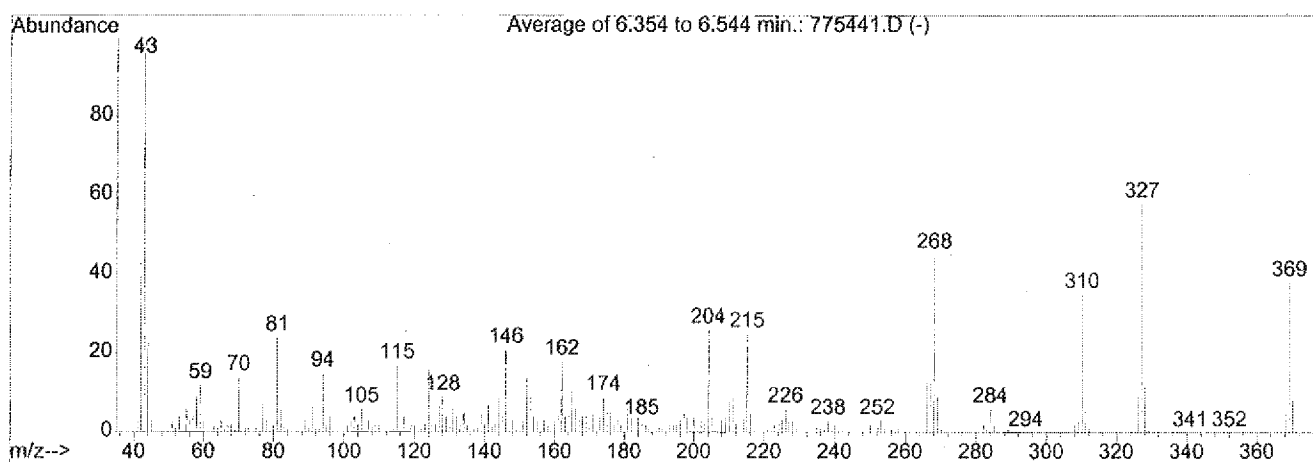
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File Name       : J:\03_08_11\775441.D
Operator        : LAG
Date Acquired   : 8 Mar 2011 17:41
Sample Name     : HEROIN STD
Submitted by    : ASD
Vial Number     : 41
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

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Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	6.40	C:\DATABASE\SLI.L HEROIN	000561-27-3	99





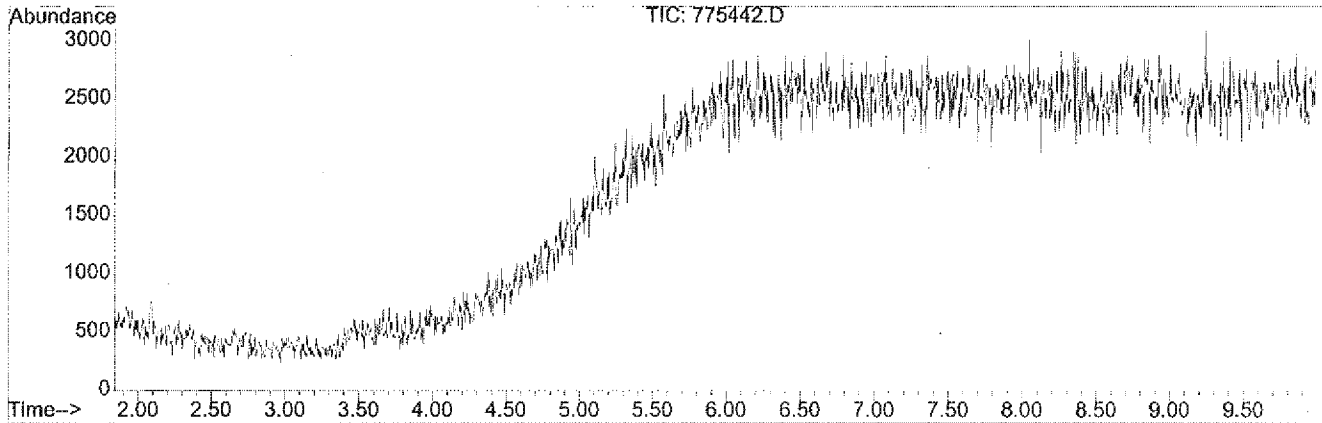
# Area Percent / Library Search Report

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Operator : LAG  
Date Acquired : 8 Mar 2011 17:54  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

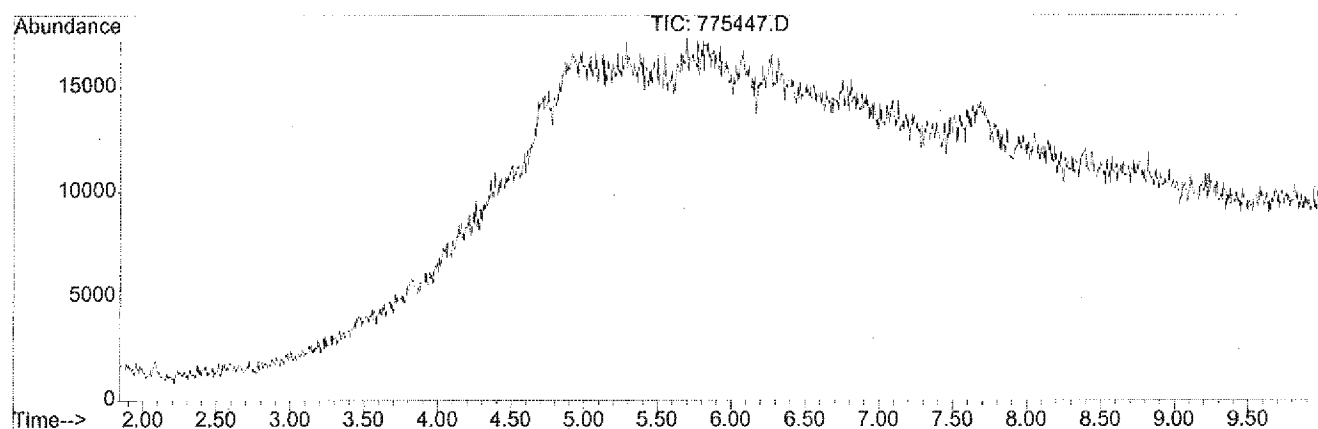
# Area Percent / Library Search Report

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Information from Data File:

File Name : J:\03\_08\_11\775447.D  
 Operator : LAG  
 Date Acquired : 8 Mar 2011 18:57  
 Sample Name : BLANK  
 Submitted by : ASD  
 Vial Number : 1  
 AcquisitionMeth: DRUGS  
 Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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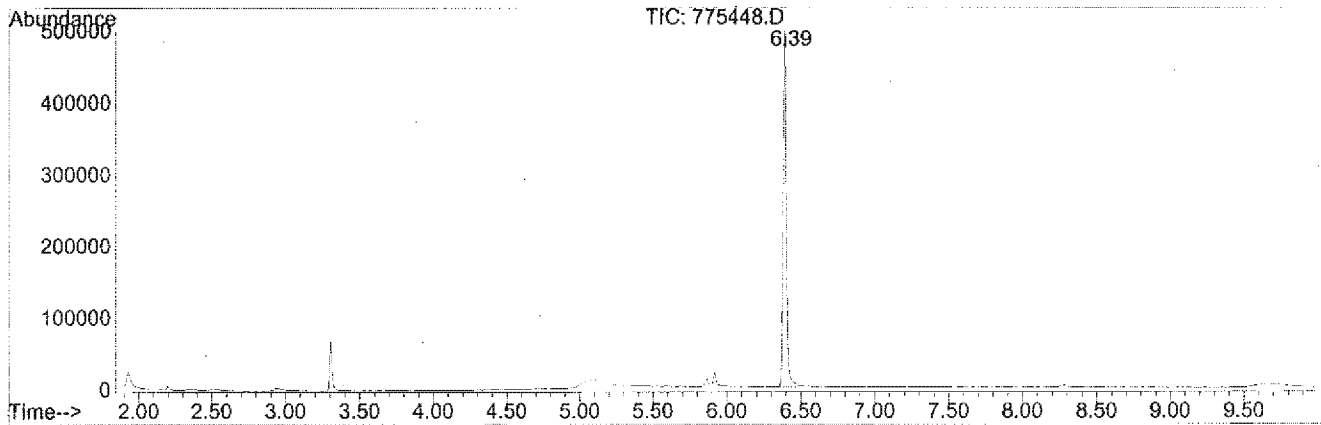
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : J:\03\_08\_11\775448.D  
 Operator : LAG  
 Date Acquired : 8 Mar 2011 19:10  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 48  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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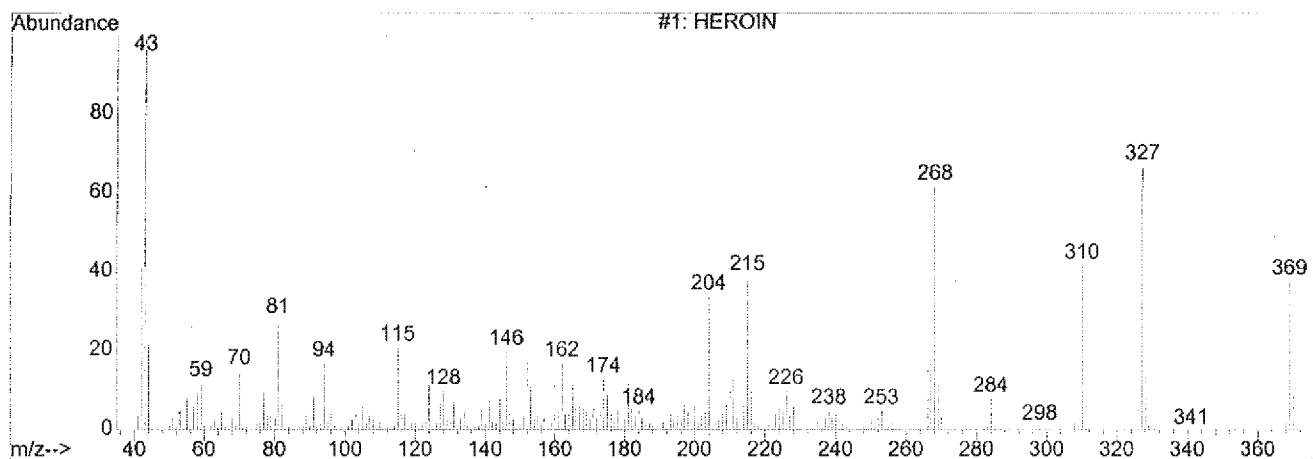
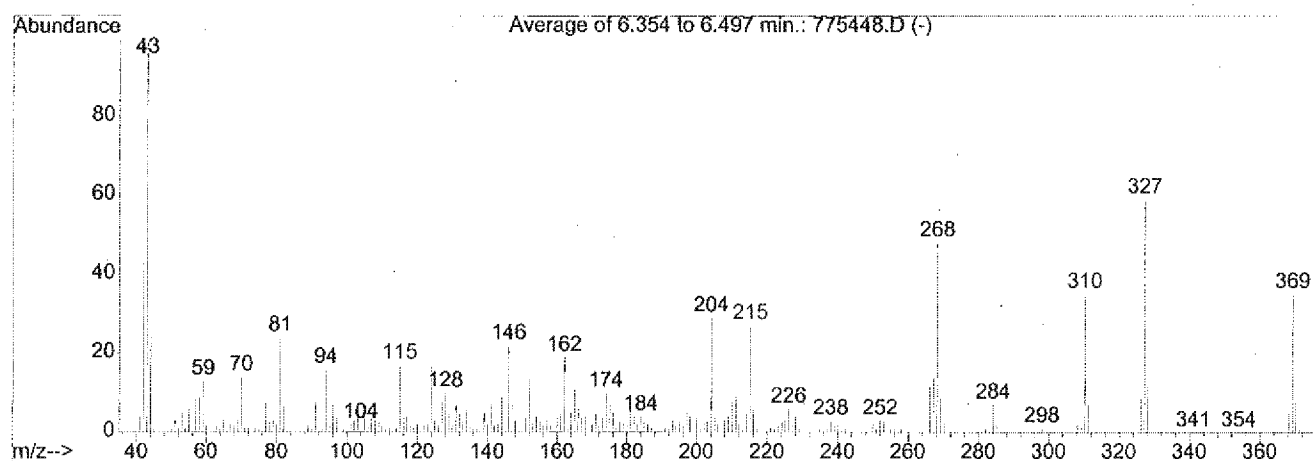
# Area Percent / Library Search Report

**Information from Data File:**

File Name : J:\03\_08\_11\775448.D  
 Operator : LAG  
 Date Acquired : 8 Mar 2011 19:10  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 48  
 AcquisitionMeth: DRUGS  
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
 C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	6.39	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



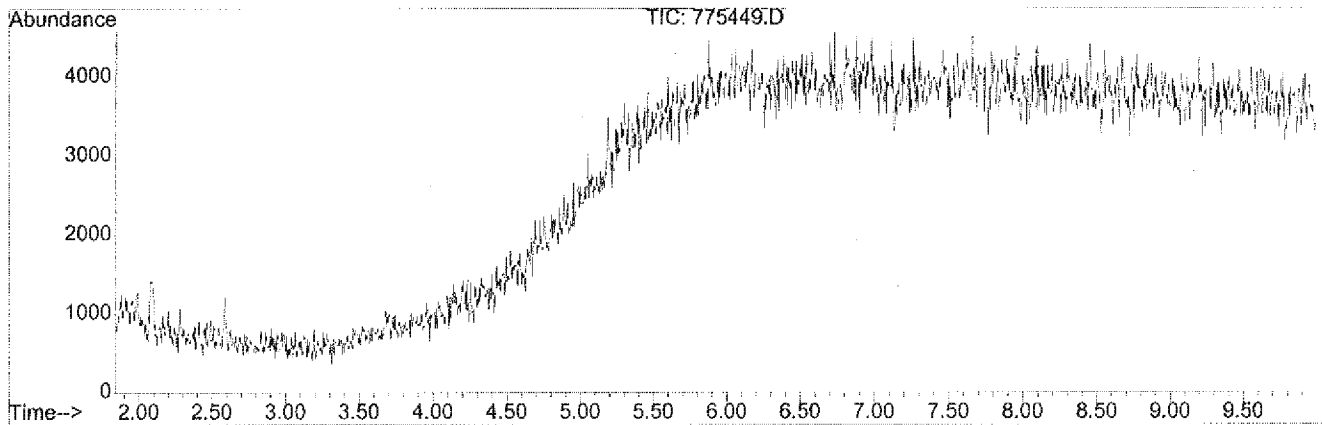
# Area Percent / Library Search Report

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Operator : LAG  
Date Acquired : 8 Mar 2011 19:22  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

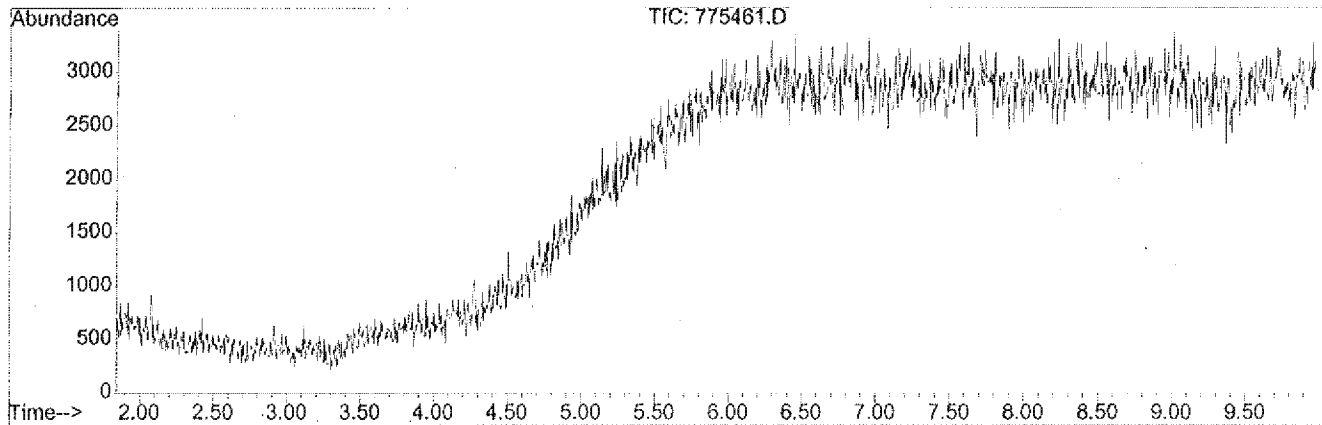
# Area Percent / Library Search Report

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File Name : J:\03\_08\_11\775461.D  
Operator : LAG  
Date Acquired : 8 Mar 2011 21:53  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

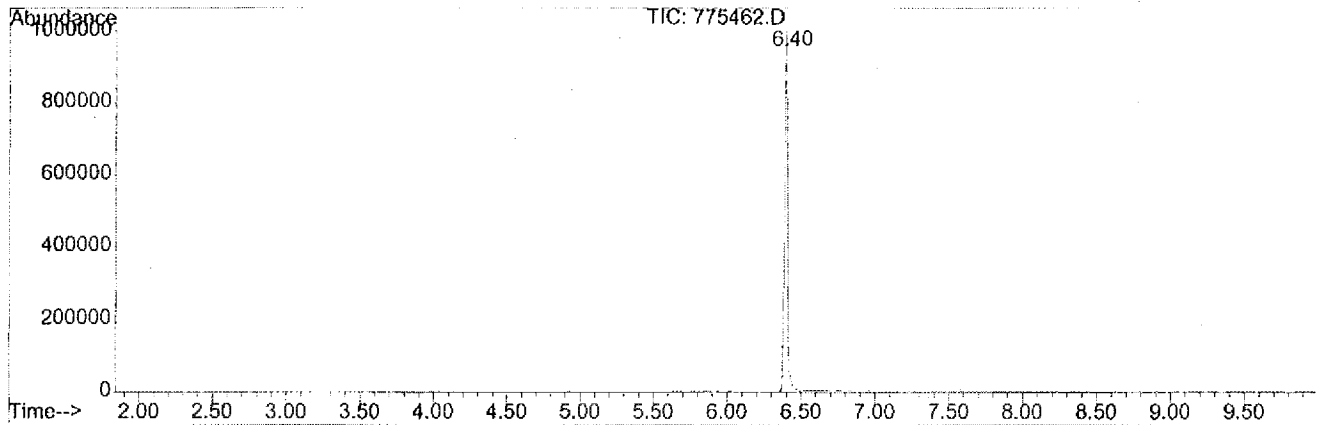
# Area Percent / Library Search Report

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## Information from Data File:

File Name : J:\03\_08\_11\775462.D  
Operator : LAG  
Date Acquired : 8 Mar 2011 22:05  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 41  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
6.396	1428474	100.00	100.00

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# Area Percent / Library Search Report

**Information from Data File:**

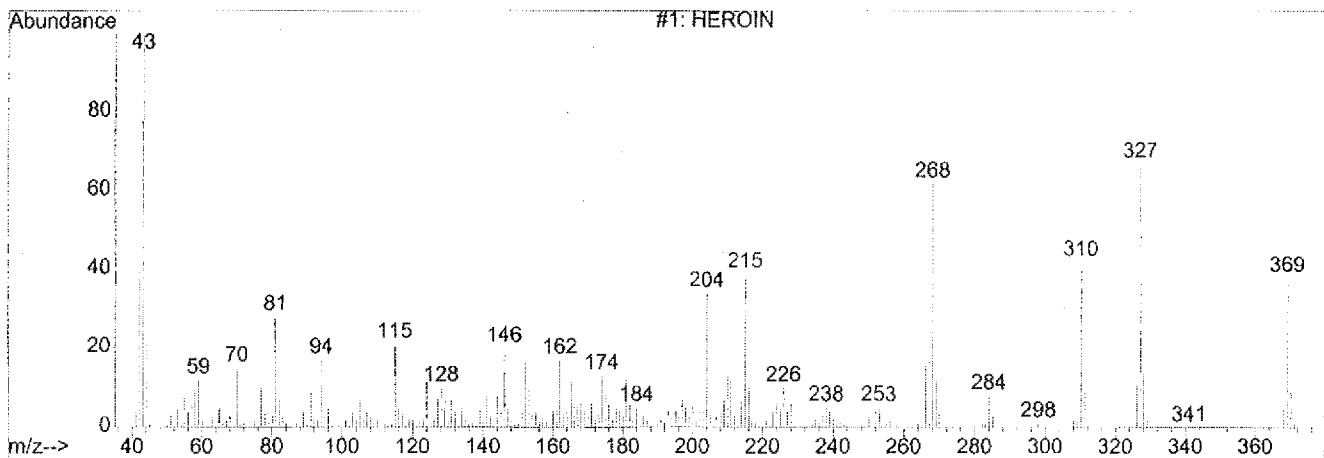
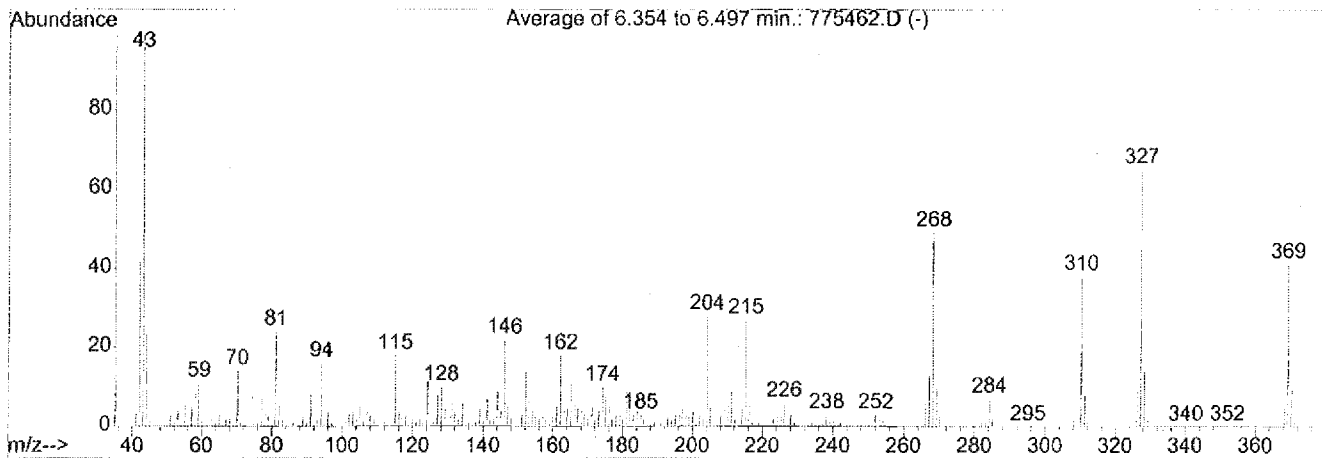
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File Name       : J:\03_08_11\775462.D
Operator        : LAG
Date Acquired   : 8 Mar 2011  22:05
Sample Name     : HEROIN STD
Submitted by    :
Vial Number     : 41
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

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Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	6.40	C:\DATABASE\SLI.L HEROIN	000561-27-3	99





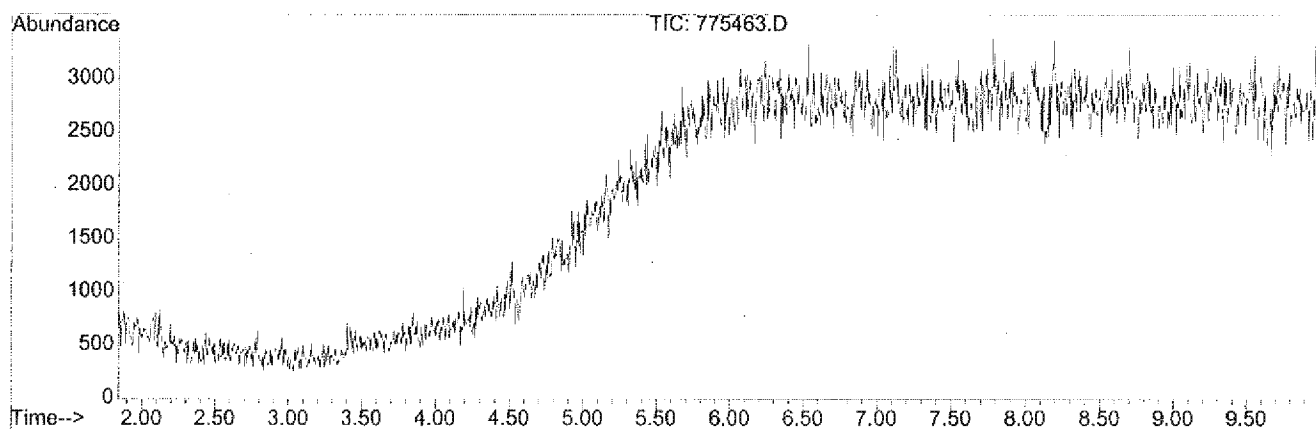
# Area Percent / Library Search Report

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Information from Data File:

File Name : J:\03\_08\_11\775463.D  
 Operator : LAG  
 Date Acquired : 8 Mar 2011 22:18  
 Sample Name : BLANK  
 Submitted by : ASD  
 Vial Number : 2  
 AcquisitionMeth: DRUGS  
 Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*